

RÖKMAN et al
Serial No. 09/543,534
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AMENDMENTS TO THE CLAIMS

The following claim set replaces all prior versions, and listings, of claims in the application:

1-50 (CANCELED)

51. (CURRENTLY AMENDED) A non-woven mat of chopped strands, comprising:

a plurality of fibers disposed in a non-woven configuration to define a mat, wherein
substantially 100% ~~all~~ of said fibers are disposed in fiber bundles, wherein said fiber bundles have between 5-450 fibers per bundle and the length of said bundles being substantially the same as the lengths of the fibers forming said bundles, and wherein at least 85% of said fibers of said fiber bundles have a diameter of between about 7-500 microns; wherein said fibers in said fiber bundles are held together with a substantially water insoluble sizing, and
wherein the integrity of the mat is increased by means of heat activated binder fibers.

52. (PREVIOUSLY PRESENTED) A non-woven mat as recited in claim 51 wherein at least 85% of said fibers in said bundles have a length of between 5-100 mm.

53. (PREVIOUSLY PRESENTED) A non-woven mat as recited in claim 52 wherein at least 85% of said fibers in said bundles have a diameter of between 7-35 microns.

54. (PREVIOUSLY PRESENTED) A non-woven mat as recited in claim 53 wherein at least 10% of the fibers in said fiber bundles comprise reinforcement fibers

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selected from the group consisting essentially of glass, aramid, carbon, polypropylene, acrylic, and PET fibers, and combinations thereof.

55. (PREVIOUSLY PRESENTED) A non-woven mat as recited in claim 51 wherein at least 50% of the fibers in said fiber bundles comprise glass fibers.

56. (PREVIOUSLY PRESENTED) A non-woven mat as recited in claim 51 wherein at least 85% of said fibers in said bundles have a length of between 5-100 mm, and wherein at least 85% of said fibers in said bundles have a diameter of between 7-35 microns.

57. (PREVIOUSLY PRESENTED) A non-woven mat as recited in claim 54 wherein at least 85% of said fibers in said fiber bundles are selected from said group.

58. (PREVIOUSLY PRESENTED) A non-woven mat as recited in claim 51 wherein at least 85% of said fibers in said fiber bundles have a length of between about 7-50 mm.

59. (PREVIOUSLY PRESENTED) A non-woven mat as recited in claim 51 wherein said mat has a density of between about 50-900 g/m².

60. (PREVIOUSLY PRESENTED) A non-woven mat as recited in claim 51 wherein at least 85% of said fibers in said fiber bundles have between 10-450 fibers/bundle and a length substantially the same as the length of said fiber bundle, and a diameter between about 7-35 microns.